



393300

REILLY TAR & CHEMICAL CORPORATION

TELEPHONE: 317/638-7531
CABLE: RETAR INDIANAPOLIS
TELEX: 27-404



1510 MARKET SQUARE CENTER
151 NORTH DELAWARE STREET
INDIANAPOLIS, INDIANA 46204

October 8, 1982

Illinois EPA
Division of Land Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: Mr. Eugene Theios

Dear Mr. Theios:

Attached are three copies of our permit application to
develop a site.

Only two copies of the Dames & Moore report are attached
since you already have received one copy of it.

Very truly yours,

REILLY TAR & CHEMICAL CORPORATION

W. A. Justin
Director Environmental Control

WAJ/bk

cc: Mr. L. L. Pirtle
Reilly Tar & Chemical Corporation
Granite City, Illinois

Notification Sent
Per I. E. P. A. Act §39(c)

OCT 12 1982

DL/NPC

RECEIVED
OCT 13 1982
EPA - D.L.P.C.
STATE OF ILLINOIS

APPLICATION FOR PERMIT

RECEIVED

Site Identification

OCT 12 1982

Name of Facility Reilly Tar & Chemical Corporation EPA - DLPC
Address of Facility 19th & Edwardsville Rd., Granite City, Illinois 62040
Type of Facility Manufacturer Coal Tar Products

II.A. Applicant Identification

Operator

Owner

Name L. L. Pirtle, Plt. Mgr.
Address P. O. Box 370
Granite City, Ill. 62040
Phone (618) 452-3141

Name Reilly Tar & Chemical Corporation
Address 151 N. Delaware St., Suite 1510
Indianapolis, Indiana 46204
Phone (317) 638-7531

B. Site Ownership

☒ Presently Owned by Applicant ☐ To be Leased by Applicant for Years
Years of Lease Remaining:
Beginning date of Lease
Expiration date of Lease
Operated by: Illinois Corporation ☐ Partnership ☐ Government ☐
Individual ☐ Other ☐

Notification Sent
Per I. E. P. A. Act §39 (c)

III. Certification

OCT 12 1982

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Applicant

Name L. L. Pirtle
Title Plant Manager
Signature [Signature]
Attest

Date 10-5-82Date 10-5-82Date 10-5-82

Owner/Operator

Name C. F. Leshner
Title Vice President - General Manager
Signature [Signature]
Attest W.A. Justice

Date 10-6-82Date 10-6-82Date 10-6-82

Engineer

Name Dan Breeding
Title Engineering Manager Chemical Division
Signature [Signature]
Attest Mark S. Hoff

Date Date Sept 30, 1982Date 9-30-82

Engineer Seal

VII. Storage and/or Transfer

A. This application is for storage X and/or transfer (check the appropriate box(es))

Waste to be contained in:

Tank X
Drum X
Barrel

Surface impoundment X
Waste pile X
Other
(type)

B. Storage/Transfer

For each box(es) checked above provide, when applicable, the following information:

1. Physical Location
2. Material of construction
3. Number of containers
4. Duration of storage
5. Age of container
6. Type of waste(s) contained
7. Design

VIII. Treatment

Include the following information:

- A. Name of process
- B. Methodology utilized
- C. Type(s) of waste(s) to be treated
- D. Objective of treatment
- E. Average or maximum capacity of the process

IX. Incineration

- A. Type of incinerator/equipment and model number
- B. Description, typical composition and source of waste(s) to be incinerated
- C. Maximum amount of waste(s) to be incinerated (gallons/hour)
- D. Estimated daily amount of waste to be incinerated
- E. Operating Temperature
- F. Residence Time
- G. Description of gas cleaning devices

X. Hydrogeology

Refer to the instructions. See attached Dames & Moore Report.

VII. Storage and/or Transfer

- A. This application is for storage ☒ and/or transfer ☐ (check the appropriate box(es))

Waste to be contained in:

Tank ☒
Drum ☒
Barrel ☐

Surface impoundment ☒
Waste pile ☒
Other ☐ (type)

- B. Storage/Transfer

For each box(es) checked above provide, when applicable, the following information:

1. Physical Location
2. Material of construction
3. Number of containers
4. Duration of storage
5. Age of container
6. Type of waste(s) contained
7. Design

VIII. Treatment

Include the following information:

- A. Name of process
- B. Methodology utilized
- C. Type(s) of waste(s) to be treated
- D. Objective of treatment
- E. Average or maximum capacity of the process

IX. Incineration

- A. Type of incinerator/equipment and model number
- B. Description, typical composition and source of waste(s) to be incinerated
- C. Maximum amount of waste(s) to be incinerated (gallons/hour)
- D. Estimated daily amount of waste to be incinerated
- E. Operating Temperature
- F. Residence Time
- G. Description of gas cleaning devices

X. Hydrogeology

Refer to the instructions. See attached Dames & Moore Report.

VI.

3. Methods of Operation
 - A. Type - Batch - Continuous
 - B. 5 Days/Week 24 Hours/Day
 - C. Two employees responsible for sampling analysis and blending of waste water streams.
 - D. N.A. Material not transported by motor vehicles to site.
 - E. See Construction Permit Application Log No. 2076-81 → Dwrpc?
 - F. N.A. Waste components are water and any material contaminated with the tar or creosote oil. These materials are not ignitable or reactive with each other.
 - G. N.A.
 - H. Cleanup is part of normal operation of the plant and is maintained as needed.
4. No wastes are received from off-site
5. Residues - off site RCRA approved landfills
Third party disposal - see attached documents Exhibits "B" - 3 pages, "C" - 1 page, "D" - 1 page
6. See contingency plan
7. See contingency plan
8. See Exhibit "E" - 1 page
9. (a) Industrial Site
9. (b) Aerial Photo

VII.

- B.
 1. See Plant Map Drw. #821300-3
 2. Const. Mtrl. - impoundment - existing soil; waste pile - concrete pit; drums - steel (DOT Spec 17H)
 3. See contingency plan Section V
 4. As accumulation dictates
 5. 18 months, No deterioration noted to date
 6. See attached RCRA Application pages 1,2,&3 of 5
 7. Design
 - (a) None
 - (b) Drums - 55 gallon DOT Spec 17H
 - (c) Type - Lagoon
Size - approximately 250' x 200'
Freeboard - 2 ft.
Design - no liner, no Leachate Collection System
Treatment - bio-degradation

VIII.

- A. Waste water treatment
- B. Bio-oxidation
- C. Waste water for production of creosote oil
- D. To reduce phenolic content
- E. 150,000 gal/wk.

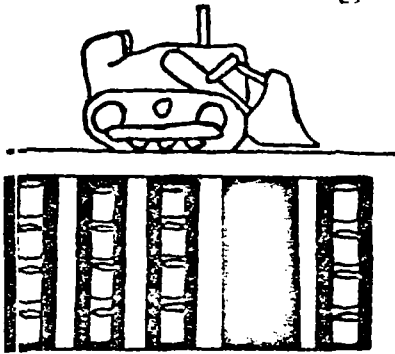
REILLY TAR & CHEMICAL CORPORATION
GRANITE CITY, ILLINOIS
ID #ILD006278360

ATTACHMENT "A"

EPA I.D. #IL006278360

X. Existing Environmental Permits

Illinois State Permit Number	Source Description	Type
I.D. #119040AAO Permit #02101030	Boilers	Operating - Air
I.D. #119040AAO Permit #03021158	Target Pitch	Operating - Air
I.D. #119040AAO Permit #72111177	Refinery	Operating - Air
I.D. #119040AAO Permit #03032433	Enamel Plant	Operating - Air
I.D. #119040AAO Permit #77120064	320 Tank Heater	Operating - Air
I.D. #119040AAO Permit #I907004	Incinerator	Construction - Air
I.D. #119040AAO Application #82020059	#7 Pitch Storage Tk.	Operating - Air



B.H.S., inc.

HAZARDOUS WASTE
LANDFILL

Route 1, Box 116F
Wright City, Mo. 63390
314-745-3711

October 5, 1981

Mr. W. A. Justin
Reilly Tar & Chemical Corporation
1510 Market Square Center
151 N. Delaware Street
Indianapolis, Indiana 46204

Dear Mr. Justin:

As per your request when you visited the Site recently, please find enclosed Trench 2-N showing location of Reilly Tar contaminated dirt, gravel and cinders (BHS0458) according to co-ordinates. Also enclosed please find Trench 2-N outline showing Grid Co-ordinates of Trench location in Site.

Michael D. Gill or Glennon Zykan are authorized to sign Manifests and driver's copies were signed by Pat Hull or Bruce Bote.

If you have any questions, please give me a call.

Very truly yours,

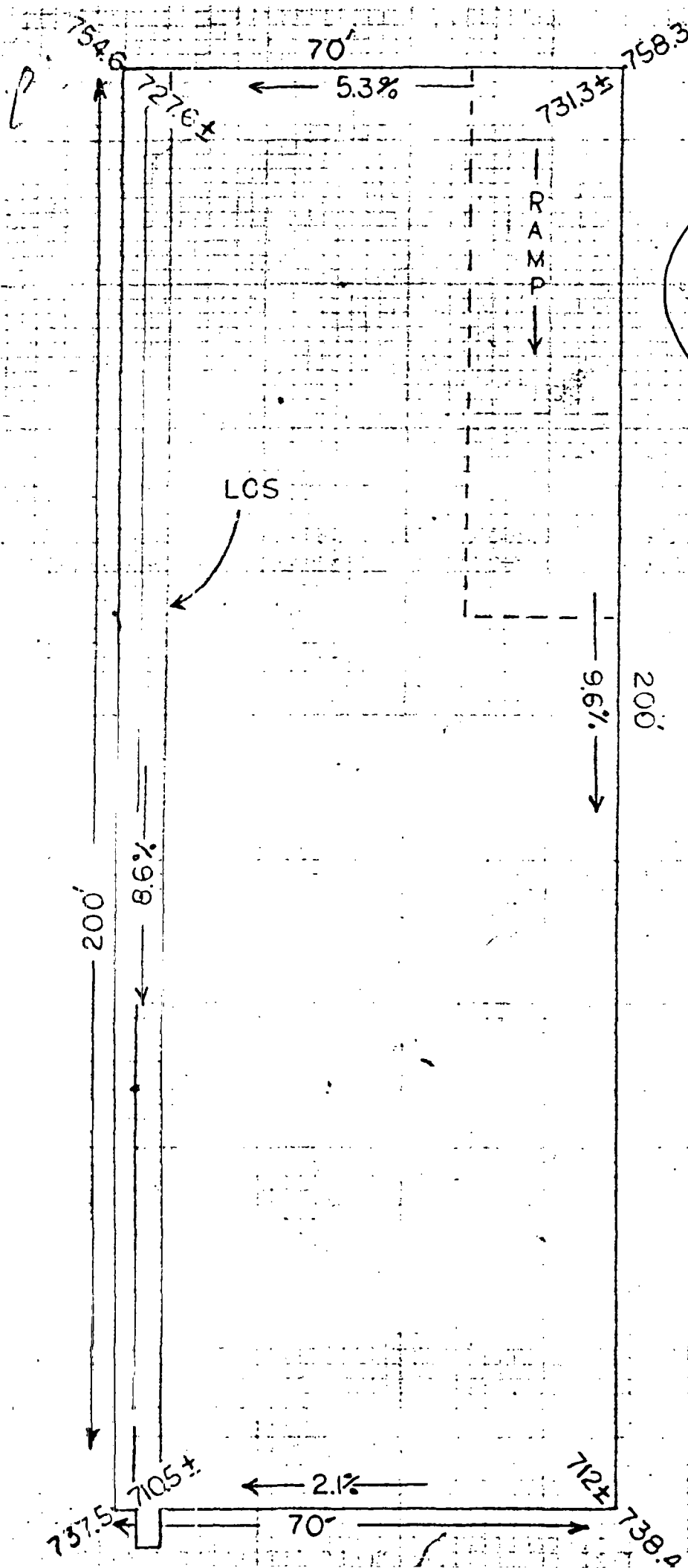
A handwritten signature in cursive script that reads "Michael D. Gill".

Michael D. Gill
Manager

MDG/ph

enclosures

cc: Gary Bush, Hazardous Materials Management



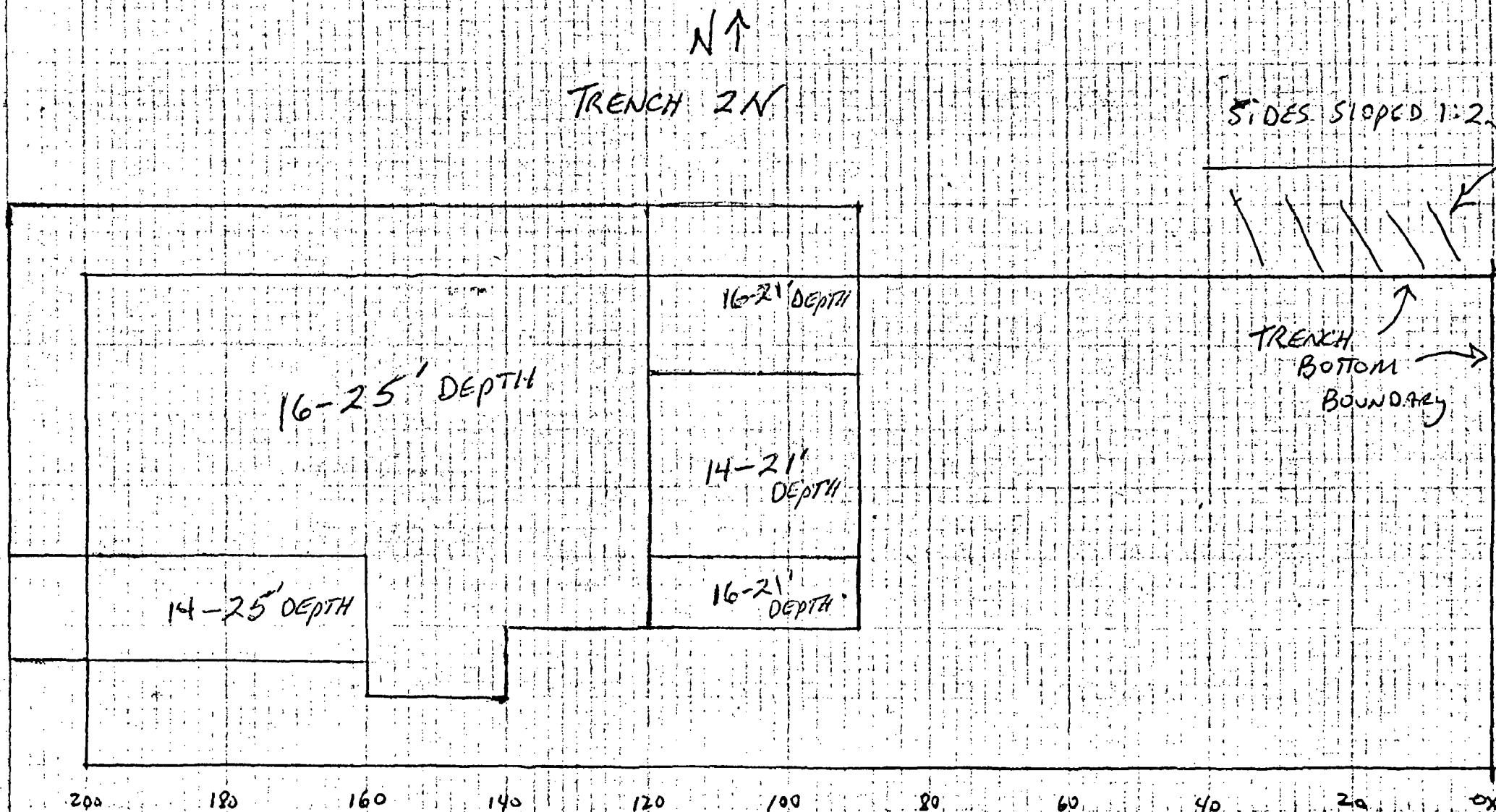
588 N	658 N
420 E	420 E
588 N	658 N
620 E	620 E

GRID CO-ORDINATES
FOR TRENCH CORNERS

TRENCH 2-N
BHS INC.

REITZ & JENS, INC.
1040 N. LINDBERGH
ST. LOUIS, MO. 63132

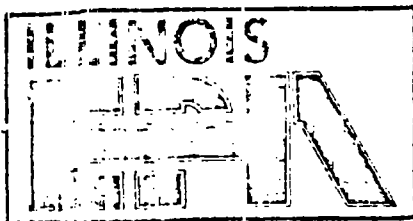
2/2/81



DEPTH AT BOTTOM OF TRENCH = 0'

DEPTH AT GROUND LEVEL = 27'

REILLEY TAR WASTE
IS LOCATED IN COLORED
AREA AT INDICATED DEPTHS



Environmental Protection Agency

2200 Churchill Road, Springfield, Illinois 62761

217/782-6760

August 26, 1981

Application Received @ IEPA:

Waste Stream Authorization Number 994105

Waste Stream Authorization Expires: 8/17/91

Bob's Home Service

Address: Route 1 - Post Office Box 116F

Wright City, Missouri 63390

Waste Name: Coal Tar

Waste Classification: Non Hazardous

Waste Generator: Reilly Tar & Chemical Corp.

IEPA Generator No.: 1190400009

Waste Generated At: 19th & Edwardsville Road

Granite City, Illinois 62040

Attention: L. L. Pirtle

Disposal Site: Bob's Home Service

IEPA Site No.: 92921901

Annual Volume Authorized: 500 Gallons

Disposition of Waste: Out-of-State Disposal

This is a Waste Stream Authorization issued pursuant to the Illinois Pollution Control Board's Chapter 9 Special Waste Hauling Regulations* which requires tracking of all special wastes originating in and seeking treatment, storage or disposal outside of Illinois. In order to transact business lawfully in Illinois, all Illinois generators and/or licensed waste haulers of special waste, that cause or allow special waste to be transported out-of-state for treatment, storage or disposal, must insure compliance with the above mentioned Special Waste Hauling Regulations including but not limited to Rules 301, and 501 of said Special Waste Hauling Regulations.

Rama K. Chaturvedi

Rama K. Chaturvedi, P.E.

Manager

Special Waste Unit

Residual Management Section

Division of Land/Noise Pollution Control

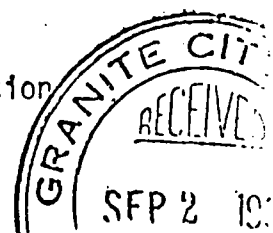
RKC:MDR:jld/2049,2050C

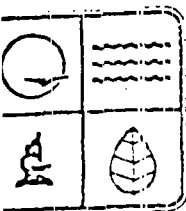
cc: Reilly Tar & Chemical Corp.

Kanadulski Excavating & Grading

Region

* Copies of these regulations are available through Illinois Pollution Control Board, 300 West Washington, Chicago, Illinois 60606





AUG 21 REC'D
11/10/81

August 20, 1981



Reilly Tar & Chemical Corporation
P.O. Box 370
Granite, Illinois 62040

Dear Sir:

The Department of Natural Resources has received your hazardous waste registration forms. According to the form(s) H.W.G.-1A you have registered 1 hazardous waste(s). You have been assigned the following "generator identification number" in accordance with subparagraph 10 CSR 25-5.010 (4)(D) 1.A. of the Missouri Hazardous Waste Management Rules.

0	3	1	8	6
---	---	---	---	---

This number will serve as a receipt from the Missouri Department of Natural Resources that you have registered as a generator of hazardous waste. It is important that you keep this number and use it on any correspondence with the department and also use this number on all manifest documents when hazardous waste is to be transported from your plant site.

Sincerely,

Kenneth J. Davis

Kenneth J. Davis
Environmental Specialist
Hazardous Waste Management Section
Solid Waste Management Program

KJD/dlk

MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368
1915 Southridge Drive
Jefferson City, Missouri 65102
(314) 751-3241

EXHIBIT E

CLOSURE PLAN REILLY TAR & CHEMICAL CORPORATION GRANITE CITY, ILLINOIS

The following outline is to be utilized in the event it becomes necessary to close and abandon our coal tar refinery at Granite City, Illinois. This outline is designed to minimize or eliminate the release of hazardous material to the environment.

I. Hazardous Waste

1. Residue from waste water pond
 - a. Remove sediment to secure landfill and backfill area
2. Bulk hazardous waste in concrete pit
 - a. Remove to secure landfill

where? what?

II. Tanks

1. After operations have ceased remove all usable material
2. Remove all creosote residue to secure landfill
3. Triple rinse all tanks that contained creosote oil and transfer rinse water to waste water pond for evaporation
4. Flush all lines and handle flush water as in II-3

?

III. Drums

1. Any drums containing hazardous waste will be removed to a secure landfill

IV. Schedule For Closure

1. Total plant shutdown is not anticipated prior to 2000 AD
2. Seven months after production operations cease closure plan schedule is as follows:
 - a. All usable products removed ----- 4 weeks
 - b. All creosote residue removed from tanks ----- 4 weeks
 - c. All applicable tanks and lines rinsed ----- 4 weeks
 - d. Waste water pond cleaned ----- 16 weeks
August 1, 1983 to November 30, 1983

V. Estimates

1. Maximum waste on site at present time
 - a. Residue 660 yards @ \$90.00/yd ----- \$59,400.00
2. Clean tanks & lines 640 manhours @ \$10.00/hr
----- 6,400.00
3. Clean waste water pond ----- 1,500,000.00
- Total @ Closure \$1,565,800.00
4. Post Closure Monitor ----- \$6,000.00/yr

U.S. ENVIRONMENTAL PROTECTION AGENCY
HAZARDOUS WASTE PERMIT APPLICATION
Consolidated Permits Program
(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

FIELD 006278360

FOR OFFICIAL USE ONLY

APPLICATION APPROVED DATE RECEIVED (yr., mo., & day)

COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (Use the boxes to the left)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☐ 1. FACILITY HAS INTERIM STATUS☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<u>Storage:</u>		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
<u>Disposal:</u>		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

Treatment:

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP

T/A C
I

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5	T 0 2	30,000	G	
X-2	T 0 3	20	E		6	S 0 1	110	G	
1	T 0 1	30,000	U		7				
2	T 0 1	.35	D		8				
3	S 0 2	71,000	G		9				
4	S 0 3	1,106	Y		10				

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

V. DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE
POUNDS.....	P
TONS.....	T

METRIC UNIT OF MEASURE	CODE
KILOGRAMS.....	K
METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

1. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Notes: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	200	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

EPA I.D. NUMBER (enter from page 1)												FOR OFFICIAL USE ONLY											
W I L D 0 0 6 2 7 8 3 6 0 1												W DUP 2 DUP											

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

W Z O N	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
				27 - 28	27 - 28	27 - 28	27 - 28	27 - 28	27 - 28	27 - 28	27 - 28
1	K 0 3 5	1.5	T	S 0 2							
2	U 0 5 1	500 <i>cpd</i>	T	T 0 3							
3	U 2 2 6	40	P	T 0 3							
4	U 2 3 9	40	P	T 0 3							
5	P 0 0 8	5	P	T 0 3							
6	U 0 0 2	10	P	T 0 3							
7	U 0 1 3	5	P	T 0 3							
8	U 1 1 2	25	P	T 0 3							
9	U 1 8 8	1	P	T 0 3							
10		5,475	T	T 0 1							Bio Oxidation of Wastewater From Production of Creosote Oil
11	U 2 2 0	10	P	T 0 3							
12	U 1 5 1	.5	P	S 0 1							
13		5,475	T	T 0 2							Bio Oxidation of Wastewater From Production of Creosote Oil
14											
15											
16											
17											
18											
19											
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